

OPERABLE UNIT 3

MISCELLANEOUS SMALL STRUCTURES DECONTAMINATION AND DISMANTLEMENT PROJECT

TASK ORDER #086 COMPLETION REPORT



OCTOBER 2002

**FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO**

**U.S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE**

DOCUMENT CONTROL NO. 1751-RP-0010 (REV.0)

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*Miscellaneous Small Structures D&D Project
Task Order #086 Completion Report*

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**MISCELLANEOUS SMALL STRUCTURES
DECONTAMINATION AND DISMANTLEMENT PROJECT
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1.0 INTRODUCTION

Task Order #086 was implemented under the authority of the Miscellaneous Small Structures (MSS) Implementation Plan for Above-Grade Decontamination and Dismantlement (D&D) (DOE 1998). Task Order #086 included D&D of the following components:

- Component 5F – Plant 5 Covered Storage Pad
- Component G-008 – Plant 5 Pipe Bridge

Remediation of Component 5F and the Plant 5 Pipe Bridge was performed successfully and in accordance with approved project planning and design requirements. This Task Order Completion Report summarizes remediation activities for Component 5F and the Plant 5 Pipe Bridge performed during the summer of 2002. A final Project Completion Report for the MSS Project will include summaries of this Task Order and other Task Orders implemented under the MSS Project following completion of the overall MSS Project.

2.0 COMPONENT-SPECIFIC REMEDIATION SUMMARY

Preparatory actions for Component 5F and the Plant 5 Pipe Bridge included utility disconnections and isolation of steam lines & water/condensate lines.

A chronology of the D&D field activities under Task Order #086 is provided in Table 2-1.

TABLE 2-1 Task Order #086 D&D Chronology

Component	Field Initiation	Field Completion
Plant 5 Covered Storage Pad (5F)	9/21/02	9/30/02
Plant 5 Pipe Bridge	8/01/02	9/30/02

2.1 Component 5F – Plant 5 Covered Storage Pad

Component 5F was a facility constructed of structural steel. The roof of the structure was made of corrugated steel. The covered storage pad was located on the northwest corner of the former Metals Production Plant (Building 5A) and had approximate dimensions of 85 ft. x 142 ft. x 20 feet high.

Surface decontamination was not required since no loose surface contamination was detected on the exterior of the component.

There was no asbestos containing material associated with Component 5F.

The component structure was dismantled using a track-hoe-mounted shear. The metal was placed in roll-off boxes for disposition in the OSDF.

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2.2 Component G-008 – Plant 5 Pipe Bridge

The Plant 5 Pipe Bridge included piping and the steel structures that supported the steam lines and other lines required to maintain activities that took place in the Plant 5 Complex. The Plant 5 Pipe Bridge covered a distance of approximately 650 linear feet and included the sections that extended along the south side of 2nd Street between "B" Street and "D" Street.

Remediation included removal of conduit & asbestos insulated piping (approximately 3,500 linear feet of asbestos insulated piping) and pipe bridge structural steel demolition. Materials generated during the dismantlement of the Plant 5 Pipe Bridges included piping and conduit and structural & miscellaneous steel.

3.0 MATERIAL MANAGEMENT

A summary of debris/waste generation from Component 5F and the Plant 5 Pipe Bridge remediated under Task Order #086 is summarized in Table 3-1.

TABLE 3-1 Summary of Debris/Waste Generated

Debris Category & Description	Profile/ Inventory Nos.	Volume (yd ³)	Container/ Quantity	Current Storage Location	Final Disposition
Cat. A, B & D (Metal)	92101	816	ROB ^(a) (28)	OSDF, North Bulk Debris Staging Area, OSDF Transfer Area for OSDF Placement ^(c)	OSDF
Cat. H (ACM)	95006	194	Sea land ^(b) (5)	OSDF Transfer Area for future OSDF Placement	OSDF
I-2 (Miscellaneous compressible debris)	92023	60	ROB ^(a) (2)	OSDF and OSDF Transfer Area for future OSDF placement ^(d)	OSDF
I-4 (Wood, paper & cardboard)	94005	30	ROB ^(a) (1)	OSDF	OSDF

Footnotes:

(a) ROB: Roll-off Box.

(b) Sea land is a 7A Type A container.

(c) 7 ROB's were placed into the OSDF (206 cubic yards), 17 ROB's were placed into the North Bulk Debris Staging Area (490 cubic yards), 3 ROB's are staged in the OSDF Transfer Area (90 cubic yards), and 1 ROB is staged on Second Street (30 cubic yards).

(d) 1 ROB was placed into the OSDF (30 cubic yards) and 1 ROB was placed into the OSDF Transfer Area for future OSDF placement (30 cubic yards).

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4.0 LESSONS LEARNED

Implementation of Task Order #086 revealed no lessons-learned for D&D Project Management. The following list identifies items that will be considered prior to implementing this Task Order under the MSS Project as a result of previous D&D Lessons Learned issues:

- Make sure shipping containers are delivered to the correct location to prevent double handling.
- Do a complete walk down of the area to verify all waste materials have been identified.

5.0 REFERENCES

U.S. Department of Energy, 1998, *Operable Unit 3 Integrated Remedial Action Miscellaneous Small Structures Implementation Plan for Above-Grade Decontamination and Dismantlement*, Final, prepared by Fluor Daniel Fernald, Cincinnati, Ohio.

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